

Ordering Information: Complete fixture consists of: Power Head, Reflector, and Suspension System. Select each separately.

Power Head: Titanium Finish

Cat. No.	Lamp	Watts	Volts	Options
412U3	CFL Triple Tube	26/32/42	120/277	MX1, MX2, DA, E3
41270U	CFL Triple Tube	70	120/277	MX1, MX2, E3
41285U	CFL Triple Tube	85	120/277	Not App.

Suspension

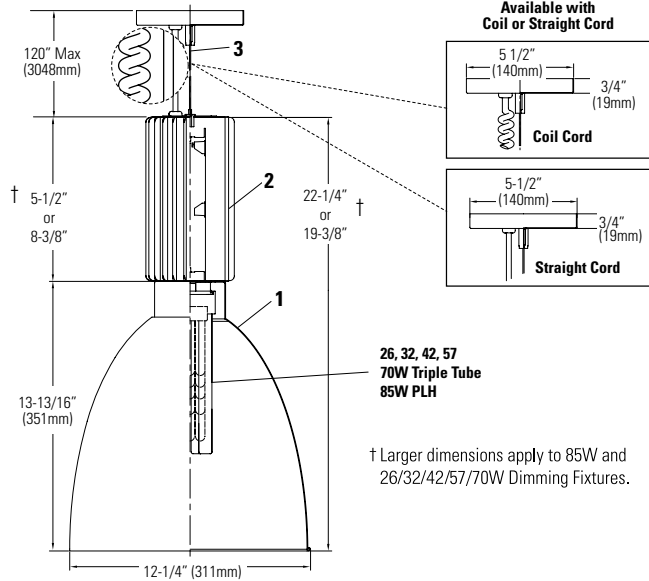
Cat. No.	Color	Description
4CCG	Grey	Coil Cord, 120" Length
4CCB	Black	Coil Cord, 120" Length
404SKG	Grey	Cable/Straight Cord, 120" Length
404SKB	Black	Cable/Straight Cord, 120" Length
404S36	Grey	36" Length 5/8" Stem
404S36B	Black	36" Length 5/8" Stem
404S60	Grey	60" Length 5/8" Stem
404S60B	Black	60" Length 5/8" Stem
404S120	Grey	120" Length 5/8" Stem

Optional Extension Kits

Cat. No.	Color	Description
404EXT300*	Grey	25' Extension Cable/Cord Kit
404EXTB*	Black	25' Straight Cable/Cord Extension Kit
404SG5**	Grey	120" 5-wire Straight Cord
404SB5**	Black	120" 5-wire Straight Cord
404EXT300G5**	Grey	5-wire, 25' Cord/Cable
404EXT300B5**	Black	5-wire, 25' Cord/Cable

* Use with Standard Suspension Kit.

** DALI requires a 5-wire Suspension, use with Standard Suspension Kit.



† Larger dimensions apply to 85W and 26/32/42/57/70W Dimming Fixtures.

Reflector/Glass

Cat. No.	Description
42SR	Satin Aluminum Reflector
42WH	White Glass
42BL	Cobalt Blue Glass
42AB	Amber Glass

MX1 = Mark X Dimming
26/32/42W, 120V only*

MX2 = Mark X Dimming
26/32/42W, 277V only*

E3 = 347V (Canada)

DA = DALI (Digital Addressable Lighting Interface)**

Close to Ceiling Kits

Cat. No.	Color	Used With
4912CTCTM	Titanium	Standard 9" Pendalyte and 12" Performance

* 2-wire, neutral connection required at dimming control
** 5-wire Suspension Kit required

Features

1. Reflector System:

Reflector: High purity, 16 gauge aluminum. Exterior satined and anodized. Interior low iridescent comfort clear anodized.

Glass Diffusers: Diffusers fabricated of pressed glass with soft etched exterior and matte white interior frit.

2. Power Head Housing:

Two-piece extruded aluminum.

3. Suspension:

Cable and Cord SJT18-3, Black or Grey. Canopy, 20 gage, .036 CRS. Can be field shortened or 5/8" steel tubing and canopy with 35° swivel hanger.

Lamping (by others)

Compact Fluorescent:

General Electric	Osram/Sylvania	Philips
(1) 26W Triple Tube 4-Pin (Amalgam) Compact Fluorescent Lamp F26TBX/*A/4P	CF26DT/E/IN/*	PL-T26W/*4P
(1) 32W Triple Tube 4-Pin (Amalgam) Compact Fluorescent Lamp F32TBX/*A/4P	CF32DT/E/IN/*	PL-T32W/*4P
(1) 42W Triple Tube 4-Pin (Amalgam) Compact Fluorescent Lamp F42QBX/*A/4P	CF42DT/E/IN/*	PL-T42W/*4P
(1) 57W Triple Tube 4-Pin (Amalgam) Compact Fluorescent Lamp F57QBX/*A/4P/EOL	CF57DT/E/IN/*	N/A
(1) 70W Triple Tube 4-Pin (Amalgam) Compact Fluorescent Lamp F70QBX/*A/4P/EOL	CF70DT/E/IN/*	N/A
(1) 85W Triple Tube 4-Pin (Amalgam) Compact Fluorescent Lamp N/A	N/A	PL-H85W/*4P

* Manufacturers' color temperature designation.

Electrical

Lampholders – Compact Fluorescent:

4-pin, 26/32 watt base: GX24q-3; 42 watt base: GX24q-4;

57 watt base: GX24Q-5; 70 watt base: GX24q-6; 85 watt base: 2G8

Electrical (continued)

Ballast: Fluorescent: Electronic

	26 Watt	32 Watt	42 Watt
Voltage	120 277	120 277	120 277
Total Input Watts	26 26	36 36	47 47
Max. Line Current (Amps)	.22 .09	.30 .09	.39 .17

	57 Watt	70 Watt	85 Watt
Voltage	120 277	120 277	120 277
Total Input Watts	58 57	73 72	98 98
Max. Line Current (Amps)	.52 .21	.61 .27	.82 .36

Power Factor >.98, Ballast Factor .98, THD <10%

Minimum Starting Temperature 0°F

Labels

cULus listed suitable for damp locations.

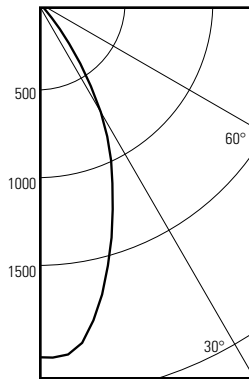
Job Information	Type:
Job Name:	
Cat. No.:	
Lamp(s):	
Notes:	

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We reserve the right to change details of design, materials and finish.

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Satin Aluminum Reflector Catalog No. 412U3 / 42SR, 32W CFL, 2400 Lumens.



Report No. 2666FR
SC = .7

CANDLEPOWER SUMMARY

ANGLE	MEAN CP	LMS
0	2023	
5	2015	188
10	1841	
15	1554	440
20	1256	
25	995	459
30	724	
35	427	279
40	199	
45	76	75
50	38	
55	22	21
60	13	
65	8	9
70	5	
75	2	2
80	0	
85	0	0
90	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	1087	45.31	73.81
0-40	1366	56.93	92.74
0-60	1462	60.95	99.27
0-90	1473	61.39	100.00
40-90	107	4.46	7.26
60-90	10	.45	.73
90-180	0	.00	.00
0-180	1473	61.39	100.00

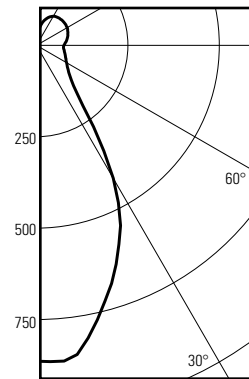
** EFFICIENCY = 61.4% **

COEFFICIENTS OF UTILIZATION

Ceiling	80%				70%				50%				30%				
Wall	70	50	30	10	50	10	50	10	50	10	50	10	50	10	50	10	0
RCR	Zonal Cavity Method - Effective Floor Reflectance = 20%																
0	.73	.73	.73	.73	.71	.71	.68	.68	.65	.65	.61	.61	.58	.58	.55	.55	.61
1	.70	.69	.68	.66	.68	.65	.65	.63	.63	.62	.59	.59	.56	.56	.54	.54	.59
2	.68	.65	.63	.61	.64	.61	.62	.59	.60	.58	.56	.56	.54	.54	.52	.52	.56
3	.65	.62	.59	.57	.61	.57	.60	.56	.58	.55	.54	.54	.52	.52	.50	.50	.54
4	.63	.59	.56	.54	.58	.54	.57	.53	.56	.53	.51	.51	.49	.49	.47	.47	.51
5	.60	.56	.53	.51	.55	.51	.54	.50	.53	.50	.48	.48	.46	.46	.44	.44	.48
6	.58	.53	.50	.48	.53	.48	.52	.48	.51	.47	.46	.46	.44	.44	.42	.42	.46
7	.55	.51	.48	.46	.50	.45	.49	.45	.49	.45	.44	.44	.42	.42	.40	.40	.44
8	.53	.48	.45	.43	.48	.43	.47	.43	.47	.43	.42	.42	.40	.40	.38	.38	.42
9	.51	.46	.43	.41	.46	.41	.45	.40	.45	.40	.39	.39	.37	.37	.35	.35	.39
10	.49	.44	.41	.39	.44	.39	.43	.39	.43	.38	.38	.38	.36	.36	.34	.34	.38

Determined In Accordance With Current IES Published Procedures
Luminaire Input Watts = 33.0

White Glass Reflector Catalog No. 412U3 / 42WH, 32W CFL, 2400 Lumens.



Report No. 2650FR
SC = .9

CANDLEPOWER SUMMARY

ANGLE	MEAN CP	LMS
0	864	
5	867	81
10	813	
15	724	205
20	637	
25	544	248
30	420	
35	272	178
40	174	
45	135	108
50	115	
55	103	93
60	95	
65	89	88
70	84	
75	80	85
80	77	
85	74	82
90	75	

ANGLE	MEAN CP	LMS
90	75	
95	79	87
100	84	
105	88	93
110	91	
115	94	93
120	97	
125	98	87
130	98	
135	98	75
140	97	
145	95	59
150	92	
155	86	40
160	77	
165	66	18
170	49	
175	29	3
180	20	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	534	22.29	31.00
0-40	713	29.73	41.34
0-60	914	38.12	53.02
0-90	1169	48.74	67.78
40-90	456	19.01	26.44
60-90	254	10.62	14.76
90-180	556	23.17	32.22
0-180	1725	71.91	100.00

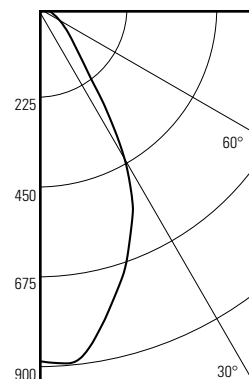
** EFFICIENCY = 71.9% **

COEFFICIENTS OF UTILIZATION

Ceiling	80%				70%				50%				30%				
Wall	70	50	30	10	50	10	50	10	50	10	50	10	50	10	50	10	0
RCR	Zonal Cavity Method - Effective Floor Reflectance = 20%																
0	.80	.80	.80	.80	.76	.76	.67	.67	.59	.59	.49	.49	.46	.46	.43	.43	.49
1	.73	.70	.67	.65	.66	.61	.59	.55	.52	.49	.41	.41	.38	.38	.36	.36	.41
2	.67	.62	.58	.54	.59	.52	.53	.47	.47	.43	.36	.36	.34	.34	.32	.32	.36
3	.63	.56	.51	.47	.53	.45	.48	.42	.43	.38	.32	.32	.30	.30	.28	.28	.32
4	.58	.51	.46	.42	.49	.40	.44	.38	.40	.35	.30	.30	.28	.28	.26	.26	.30
5	.55	.47	.41	.37	.45	.36	.41	.34	.37	.31	.27	.27	.25	.25	.23	.23	.27
6	.51	.43	.38	.34	.41	.33	.38	.31	.34	.29	.25	.25	.23	.23	.21	.21	.25
7	.48	.40	.34	.31	.38	.30	.35	.28	.32	.26	.23	.23	.21	.21	.19	.19	.23
8	.45	.37	.32	.28	.35	.27	.33	.26	.30	.24	.21	.21	.19	.19	.17	.17	.21
9	.42	.34	.29	.26	.33	.25	.30	.24	.28	.23	.20	.20	.18	.18	.16	.16	.20
10	.40	.32	.27	.24	.31	.23	.28	.22	.26	.21	.19	.19	.17	.17	.15	.15	.19

Determined In Accordance With Current IES Published Procedures
Luminaire Input Watts = 32.0

Amber Glass Reflector Catalog No. 412U3 / 42AB, 32W CFL, 2400 Lumens.



Report No. 2647FR
SC = .9

CANDLEPOWER SUMMARY

ANGLE	MEAN CP	LMS
0	885	
5	895	84
10	840	
15	750	213
20	662	
25	567	259
30	438	
35	282	85
40	179	
45	132	106
50	104	
55	82	75
60	65	
65	51	51
70	39	
75	27	29
80	18	
85	9	11
90	3	

ANGLE	MEAN CP	LMS
90	3	
95	3	3
100	3	
105	4	4
110	4	
115	5	5
120	5	
125	5	5
130	5	
135	5	4
140	5	
145	5	3
150	4	
155	3	1
160	2	
165	1	0
170	1	
175	0	0
180	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	555	23.13	53.49
0-40	740	30.85	71.34
0-60	921	38.38	88.76
0-90	1012	42.18	97.53
40-90	271	11.32	26.18
60-90	91	3.79	8.77
90-180	25	1.07	2.47
0-180	1037	43.25	100.00

** EFFICIENCY = 43.2% **

COEFFICIENTS OF UTILIZATION

Ceiling	80%				70%				50%				30%				
Wall	70	50	30	10	50	10	50	10	50	10	50	10	50	10	50	10	0
RCR	Zonal Cavity Method - Effective Floor Reflectance = 20%																
0	.51	.51	.51	.51	.50	.50	.47	.47	.45	.43	.42	.42	.41	.41	.39	.39	.42
1	.48	.47	.46	.45	.46	.44	.44	.42	.42	.41	.38	.38	.37	.37	.35	.35	.38
2	.46	.43	.41	.40	.42	.39	.41	.38	.39	.37	.35	.35	.34	.34	.32	.32	.35
3	.43	.40	.38	.36	.39	.35	.38	.35	.37	.34	.32	.32	.30	.30	.28	.28	.32
4	.41	.37	.35	.33	.37	.32	.35	.32	.34	.31	.28	.28	.26	.26	.24	.24	.28
5	.38	.35	.32	.30	.34	.30	.33	.29	.32	.29	.26	.26	.24	.24	.22	.22	.26
6	.36	.32	.29	.28	.32	.27	.31	.27	.30	.27	.24	.24	.22	.22	.20	.20	.24
7	.34	.30	.27	.25	.30	.25	.29	.25	.28	.25	.22	.22	.20	.20	.18	.18	.22
8	.33	.28	.25	.24	.28	.23	.27	.23	.27	.23	.21	.21	.19	.19	.17	.17	.21
9	.31	.26	.24	.22	.26	.22	.26	.22	.26	.22	.20	.20	.18	.18	.16	.16	.20
10	.29	.25	.22	.20	.25	.20	.24	.20	.24	.20	.18	.18	.16	.16	.14	.14	.18

Determined In Accordance With Current IES Published Procedures
Luminaire Input Watts = 32.0

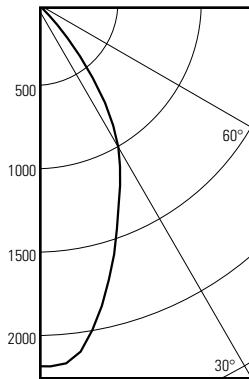
Notes: Amber Glass and Cobalt Blue Glass have the same Photometrics.

Job Information

Type:

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Satin Aluminum Reflector Catalog No. 412U3 / 42SR, 42W CFL, 3200 Lumens.



Report No. 2665FR
SC = .8

CANDLEPOWER SUMMARY

ANGLE	MEAN CP	LMS
0	2184	
5	2175	204
10	1997	
15	1723	488
20	1445	
25	1214	564
30	1005	
35	737	456
40	425	
45	194	172
50	73	
55	37	38
60	21	
65	11	12
70	6	
75	2	2
80	0	
85	0	0
90	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	1255	39.25	64.86
0-40	1711	53.50	88.42
0-60	1921	60.05	99.24
0-90	1936	60.51	100.00
40-90	224	7.01	11.58
60-90	14	.46	.76
90-180	0	.00	.00
0-180	1936	60.51	100.00

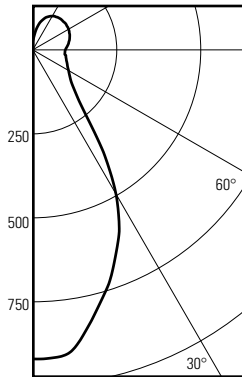
** EFFICIENCY = 60.5% **

COEFFICIENTS OF UTILIZATION

Ceiling	80%				70%				50%				30%			
Wall	70	50	30	10	50	10	50	10	50	10	50	10	50	10	50	10
RCR	Zonal Cavity Method - Effective Floor Reflectance = 20%															
0	.72	.72	.72	.72	.70	.70	.67	.67	.64	.64	.61	.61	.58	.58	.55	.55
1	.69	.68	.66	.65	.66	.64	.64	.62	.62	.60	.57	.57	.55	.54	.52	.51
2	.66	.64	.61	.60	.62	.59	.60	.58	.59	.56	.54	.54	.51	.49	.47	.46
3	.63	.60	.57	.55	.59	.55	.58	.54	.56	.53	.51	.51	.47	.44	.42	.41
4	.60	.56	.54	.51	.56	.51	.55	.50	.53	.50	.48	.48	.44	.41	.39	.38
5	.58	.53	.50	.48	.53	.47	.52	.47	.51	.47	.45	.45	.41	.38	.36	.35
6	.55	.50	.47	.45	.50	.45	.49	.44	.48	.44	.41	.41	.37	.34	.32	.31
7	.52	.47	.44	.42	.47	.42	.46	.41	.45	.41	.38	.38	.34	.31	.29	.28
8	.50	.45	.41	.39	.44	.39	.43	.39	.43	.39	.36	.36	.32	.29	.27	.26
9	.47	.42	.39	.36	.42	.36	.41	.36	.41	.36	.33	.33	.29	.26	.24	.23
10	.45	.40	.36	.34	.39	.34	.39	.34	.38	.34	.31	.31	.27	.24	.22	.21

Determined In Accordance With Current IES Published Procedures
Luminaire Input Watts = 59.0

White Glass Reflector Catalog No. 412U3 / 42WH, 42W CFL, 3200 Lumens.



Report No. 2649FR
SC = .9

CANDLEPOWER SUMMARY

ANGLE	MEAN CP	LMS
0	920	
5	917	86
10	863	
15	778	221
20	696	
25	607	278
30	495	
35	359	227
40	236	
45	180	145
50	150	
55	134	121
60	123	
65	114	114
70	108	
75	103	109
80	100	
85	96	106
90	97	

ANGLE	MEAN CP	LMS
90	97	
95	102	112
100	108	
105	113	119
110	117	
115	120	119
120	123	
125	124	111
130	125	
135	124	96
140	123	
145	120	75
150	116	
155	109	50
160	99	
165	85	24
170	64	
175	39	4
180	27	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	585	18.29	27.64
0-40	812	25.40	38.38
0-60	1078	33.71	50.93
0-90	1407	43.99	66.47
40-90	594	18.59	28.09
60-90	329	10.29	15.54
90-180	710	22.19	33.53
0-180	2117	66.18	100.00

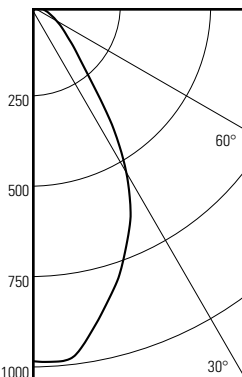
** EFFICIENCY = 66.2% **

COEFFICIENTS OF UTILIZATION

Ceiling	80%				70%				50%				30%			
Wall	70	50	30	10	50	10	50	10	50	10	50	10	50	10	50	10
RCR	Zonal Cavity Method - Effective Floor Reflectance = 20%															
0	.74	.74	.74	.74	.69	.69	.61	.61	.54	.54	.44	.44	.37	.37	.32	.32
1	.67	.64	.61	.59	.60	.55	.53	.50	.47	.44	.37	.37	.32	.28	.24	.23
2	.62	.57	.53	.49	.54	.47	.48	.43	.42	.38	.32	.32	.28	.24	.20	.19
3	.57	.51	.46	.42	.48	.41	.43	.37	.39	.34	.28	.28	.24	.20	.17	.16
4	.53	.46	.41	.37	.44	.36	.40	.33	.35	.30	.26	.26	.22	.18	.15	.14
5	.49	.42	.37	.33	.40	.32	.36	.30	.33	.27	.23	.23	.20	.16	.13	.12
6	.46	.38	.33	.30	.37	.29	.33	.27	.30	.25	.21	.21	.18	.14	.11	.10
7	.43	.35	.30	.27	.34	.26	.31	.24	.28	.23	.20	.20	.17	.13	.10	.09
8	.40	.33	.28	.24	.31	.24	.28	.22	.26	.21	.18	.18	.15	.11	.08	.07
9	.38	.30	.25	.22	.29	.22	.26	.20	.24	.19	.17	.17	.14	.10	.07	.06
10	.36	.28	.23	.20	.27	.20	.25	.19	.23	.18	.15	.15	.12	.09	.06	.05

Determined In Accordance With Current IES Published Procedures
Luminaire Input Watts = 39.0

Amber Glass Reflector Catalog No. 412U3 / 42AB, 42W CFL, 3200 Lumens.



Report No. 2648FR
SC = .9

CANDLEPOWER SUMMARY

ANGLE	MEAN CP	LMS
0	983	
5	988	93
10	931	
15	842	239
20	753	
25	657	301
30	533	
35	385	244
40	249	
45	181	145
50	137	
55	109	99
60	85	
65	66	67
70	51	
75	36	38
80	23	
85	12	14
90	4	

ANGLE	MEAN CP	LMS
90	4	
95	4	4
100	4	
105	5	5
110	6	
115	6	6
120	7	
125	7	6
130	7	
135	6	5
140	5	
145	5	3
150	5	
155	4	2
160	3	
165	2	1
170	1	
175	0	0
180	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	632	19.76	49.78
0-40	876	27.38	68.97
0-60	1119	34.99	88.13
0-90	1238	38.70	97.47
40-90	362	11.32	28.50
60-90	118	3.71	9.33
90-180	32	1.01	2.53
0-180	1270	39.70	100.00

** EFFICIENCY = 39.7% **

COEFFICIENTS OF UTILIZATION

Ceiling	80%				70%				50%				30%			
Wall	70	50	30	10	50	10	50	10	50	10	50	10	50	10	50	10
RCR	Zonal Cavity Method - Effective Floor Reflectance = 20%															
0	.47	.47	.47	.47	.46	.46	.44	.44	.41	.41	.39	.39	.37	.37	.35	.35
1	.44	.43	.42	.41	.42	.40	.40	.39	.38	.37	.35	.35	.34	.33	.32	.31
2	.42	.39	.38	.36	.39	.35	.37	.35	.36	.34	.32	.32	.31	.30	.29	.28
3	.39	.36	.34	.32	.36	.32	.34	.31	.33	.31	.29	.29	.28	.27	.26	.25
4	.37	.34	.31	.29	.33	.29	.32	.29	.31	.28	.27	.27	.26	.25	.24	.23
5	.35	.31	.28	.27	.31	.26	.30	.26	.29	.26	.25	.25	.24	.23	.22	.21
6	.33	.29	.26	.24	.29	.24	.28	.24	.27	.24	.23	.23	.22	.21	.20	.19
7	.31	.27	.24	.22	.26	.22	.26	.22	.25	.22	.21	.21	.20	.19	.18	.17
8	.29	.25	.22	.21	.25	.20	.24	.20	.24	.20	.19	.19	.18	.17	.16	.15
9	.28	.23	.21	.19	.23	.19	.23	.19	.22	.19	.18	.18	.17	.16	.15	.14
10	.26	.22	.19	.18	.22	.18	.21	.17	.21	.17	.16	.16	.15	.14	.13	.12

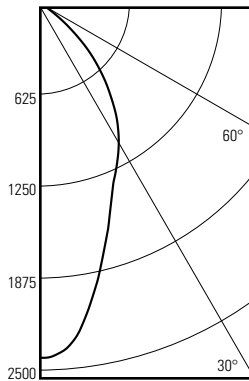
Determined In Accordance With Current IES Published Procedures
Luminaire Input Watts = 39.0

Notes: Amber Glass and Cobalt Blue Glass have the same Photometrics.

Job Information Type:

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Satin Aluminum Reflector Catalog No. 41257U / 42SR, 57W CFL, 4300 Lumens.



Report No. 2592FR
SC = .7

CANDLEPOWER SUMMARY

ANGLE	MEAN CP	LMS
0	2414	
5	2354	220
10	2076	
15	1746	498
20	1459	
25	1261	588
30	1104	
35	928	579
40	730	
45	534	412
50	328	
55	156	157
60	58	
65	26	31
70	12	
75	4	5
80	0	
85	0	0
90	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	1305	30.37	52.46
0-40	1885	43.84	75.73
0-60	2453	57.05	98.55
0-90	2489	57.89	100.00
40-90	604	14.05	24.27
60-90	36	.84	1.45
90-180	0	.00	
0-180	2489	57.89	100.00

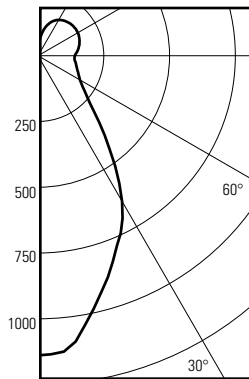
** EFFICIENCY = 57.9% **

COEFFICIENTS OF UTILIZATION

Ceiling	80%				70%				50%				30%				
Wall	70	50	30	10	50	10	50	10	50	10	50	10	50	10	50	10	0
RCR	Zonal Cavity Method - Effective Floor Reflectance = 20%																
0	.69	.69	.69	.69	.67	.67	.64	.64	.62	.62	.58						
1	.66	.64	.63	.61	.63	.60	.60	.58	.58	.57	.54						
2	.62	.60	.57	.55	.59	.55	.57	.53	.55	.52	.50						
3	.59	.55	.52	.50	.54	.50	.53	.49	.52	.48	.47						
4	.56	.52	.48	.46	.51	.46	.50	.45	.49	.45	.43						
5	.53	.48	.44	.42	.47	.42	.46	.41	.45	.41	.40						
6	.50	.45	.41	.39	.44	.38	.43	.38	.42	.38	.37						
7	.47	.41	.38	.35	.41	.35	.40	.35	.39	.35	.34						
8	.44	.38	.35	.32	.38	.32	.37	.32	.37	.32	.31						
9	.42	.36	.32	.30	.35	.30	.35	.29	.34	.29	.28						
10	.39	.33	.30	.27	.33	.27	.32	.27	.32	.27	.26						

Determined In Accordance With Current IES Published Procedures
Luminaire Input Watts = 59.0

White Glass Reflector Catalog No. 41257U / 42WH, 57W CFL, 4300 Lumens.



Report No. 2645FR
SC = .9

CANDLEPOWER SUMMARY

ANGLE	MEAN CP	LMS
0	1139	
5	1129	106
10	1037	
15	930	264
20	832	
25	744	343
30	639	
35	511	323
40	394	
45	302	241
50	244	
55	208	189
60	184	
65	170	170
70	159	
75	151	160
80	145	
85	139	154
90	140	

ANGLE	MEAN CP	LMS
90	140	
95	148	162
100	156	
105	163	172
110	168	
115	172	170
120	175	
125	176	157
130	175	
135	173	133
140	169	
145	164	103
150	157	
155	147	68
160	133	
165	114	32
170	87	
175	55	6
180	42	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	712	16.57	24.15
0-40	1035	24.08	35.09
0-60	1465	34.08	49.65
0-90	1949	45.33	66.04
40-90	913	21.25	30.95
60-90	483	11.25	16.39
90-180	1002	23.31	33.96
0-180	2951	68.64	100.00

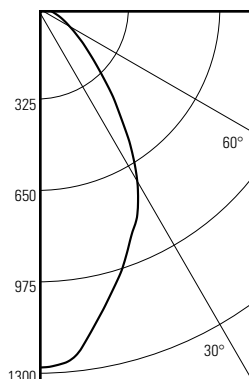
** EFFICIENCY=68.6% **

COEFFICIENTS OF UTILIZATION

Ceiling	80%				70%				50%				30%				
Wall	70	50	30	10	50	10	50	10	50	10	50	10	50	10	50	10	0
RCR	Zonal Cavity Method - Effective Floor Reflectance = 20%																
0	.76	.76	.76	.76	.72	.72	.63	.63	.56	.56	.45						
1	.69	.66	.63	.60	.62	.57	.55	.51	.48	.45	.37						
2	.63	.58	.54	.50	.55	.48	.49	.43	.43	.39	.32						
3	.58	.52	.47	.43	.49	.41	.44	.37	.39	.34	.28						
4	.54	.47	.42	.38	.45	.36	.40	.33	.36	.30	.25						
5	.50	.42	.37	.33	.40	.32	.36	.29	.33	.27	.23						
6	.47	.39	.33	.29	.37	.28	.33	.26	.30	.24	.21						
7	.43	.35	.30	.26	.34	.25	.30	.24	.27	.22	.19						
8	.41	.32	.27	.24	.31	.23	.28	.21	.26	.20	.17						
9	.38	.30	.25	.21	.28	.21	.26	.19	.24	.18	.15						
10	.36	.27	.23	.19	.26	.19	.24	.18	.22	.16	.14						

Determined In Accordance With Current IES Published Procedures
Luminaire Input Watts = 54.0

Amber Glass Reflector Catalog No. 41257U / 42AB, 57W CFL, 4300 Lumens.



Report No. 2646FR
SC = .9

CANDLEPOWER SUMMARY

ANGLE	MEAN CP	LMS
0	1279	
5	1263	118
10	1155	
15	1040	295
20	932	
25	835	384
30	713	
35	565	356
40	427	
45	312	249
50	233	
55	176	161
60	134	
65	103	104
70	77	
75	55	59
80	35	
85	18	21
90	5	

ANGLE	MEAN CP	LMS
90	5	
95	5	6
100	6	
105	7	7
110	7	
115	8	8
120	8	
125	9	8
130	9	
135	8	7
140	8	
145	8	5
150	7	
155	5	2
160	4	
165	2	1
170	1	
175	0	0
180	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	797	18.54	44.54
0-40	1153	26.83	64.45
0-60	1563	36.37	87.36
0-90	1747	40.63	97.61
40-90	593	13.80	33.16
60-90	183	4.27	10.25
90-180	42	.99	2.39
0-180	1789	41.63	100.00

** EFFICIENCY = 41.6% **

COEFFICIENTS OF UTILIZATION

Ceiling	80%				70%				50%				30%				
Wall	70	50	30	10	50	10	50	10	50	10	50	10	50	10	50	10	0
RCR	Zonal Cavity Method - Effective Floor Reflectance = 20%																
0	.49	.49	.49	.49	.48	.48	.46	.46	.44	.44	.41						
1	.46	.45	.44	.42	.44	.42	.42	.40	.40	.39	.37						
2	.43	.41	.39	.37	.40	.37	.38	.36	.37	.35	.33						
3	.41	.37	.35	.33	.37	.33	.35	.32	.34	.31	.30						
4	.38	.34	.32	.30	.34	.29	.33	.29	.32	.28	.27						
5	.36	.32	.29	.27	.31	.26	.30	.26	.29	.26	.25						
6	.34	.29	.26	.24	.29	.24	.28	.24	.27	.24	.23						
7	.31	.27	.24	.22	.27	.22	.26	.22	.25	.21	.21						
8	.30	.25	.22	.20	.25	.20	.24	.20	.24	.20	.19						
9	.28	.23	.20	.18	.23	.18	.22	.18	.22	.18	.17						
10	.26	.22	.19	.17	.21	.17	.21	.17	.20	.17	.16						

Determined In Accordance With Current IES Published Procedures
Luminaire Input Watts = 54.0

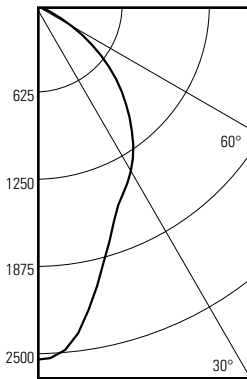
Notes: Amber Glass and Cobalt Blue Glass have the same Photometrics.

Job Information

Type:

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Satin Aluminum Reflector Catalog No. 41270U / 42SR, 70W CFL, 5200 Lumens.



Report No. 2606FR
SC = .8

CANDLEPOWER SUMMARY

ANGLE	MEAN CP	LMS
0	2545	
5	2483	232
10	2218	
15	1906	544
20	1654	
25	1494	696
30	1375	
35	1229	768
40	1056	
45	880	679
50	694	
55	497	446
60	301	
65	131	151
70	44	
75	14	19
80	0	
85	0	0
90	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	1473	28.33	41.65
0-40	2240	43.09	63.36
0-60	3366	64.74	95.19
0-90	3536	68.01	100.00
40-90	1295	24.92	36.64
60-90	170	3.27	4.81
90-180	0	.00	.00
0-180	3536	68.01	100.00

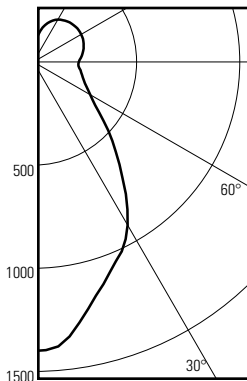
** EFFICIENCY = 68.0% **

COEFFICIENTS OF UTILIZATION

Ceiling	80%				70%				50%				30%			
Wall	70	50	30	10	50	10	50	10	50	10	50	10	50	10	50	10
RCR	Zonal Cavity Method - Effective Floor Reflectance = 20%															
0	.81	.81	.81	.81	.79	.79	.76	.76	.72	.72	.68					
1	.76	.74	.72	.71	.73	.69	.70	.67	.67	.65	.62					
2	.72	.68	.65	.62	.67	.62	.65	.60	.63	.59	.57					
3	.67	.62	.58	.55	.61	.55	.60	.54	.58	.53	.51					
4	.63	.57	.53	.49	.56	.49	.55	.49	.53	.48	.46					
5	.59	.52	.48	.44	.52	.44	.50	.44	.49	.43	.42					
6	.55	.48	.43	.40	.47	.40	.46	.39	.45	.39	.38					
7	.51	.44	.39	.36	.43	.35	.42	.35	.41	.35	.33					
8	.48	.40	.35	.32	.40	.32	.39	.32	.38	.31	.30					
9	.45	.37	.32	.29	.37	.29	.36	.29	.35	.28	.27					
10	.42	.34	.29	.26	.34	.26	.33	.26	.32	.26	.25					

Determined In Accordance With Current IES Published Procedures
Luminaire Input Watts = 79.0

White Glass Reflector Catalog No. 41270U / 42WH, 70W CFL, 5200 Lumens.



Report No. 2644FR
SC = 1.0

CANDLEPOWER SUMMARY

ANGLE	MEAN CP	LMS
0	1401	
5	1384	130
10	1283	
15	1172	334
20	1084	
25	1013	465
30	913	
35	781	491
40	649	
45	541	421
50	443	
55	365	334
60	318	
65	284	284
70	260	
75	244	259
80	232	
85	219	243
90	220	

ANGLE	MEAN CP	LMS
90	220	
95	231	252
100	242	
105	252	266
110	259	
115	265	262
120	267	
125	268	240
130	266	
135	262	203
140	256	
145	247	155
150	237	
155	221	102
160	200	
165	173	48
170	133	
175	86	9
180	67	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	929	17.88	20.67
0-40	1420	27.31	31.58
0-60	2175	41.84	48.37
0-90	2961	56.95	65.84
40-90	1541	29.64	34.26
60-90	785	15.11	17.47
90-180	1536	29.55	34.16
0-180	4497	86.49	100.00

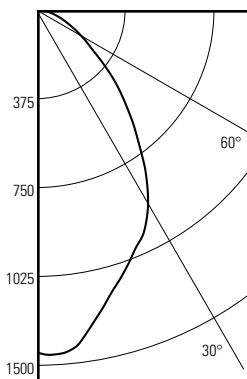
** EFFICIENCY=86.5% **

COEFFICIENTS OF UTILIZATION

Ceiling	80%				70%				50%				30%			
Wall	70	50	30	10	50	10	50	10	50	10	50	10	50	10	50	10
RCR	Zonal Cavity Method - Effective Floor Reflectance = 20%															
0	.96	.96	.96	.96	.90	.90	.80	.80	.70	.70	.57					
1	.87	.83	.79	.75	.78	.71	.69	.64	.60	.57	.46					
2	.79	.73	.67	.62	.68	.59	.61	.53	.53	.48	.39					
3	.73	.64	.58	.53	.61	.50	.54	.46	.48	.41	.34					
4	.67	.58	.51	.46	.55	.44	.49	.40	.43	.36	.30					
5	.62	.52	.45	.40	.49	.38	.44	.35	.39	.32	.27					
6	.58	.47	.40	.35	.45	.34	.40	.31	.36	.28	.24					
7	.53	.42	.36	.31	.40	.30	.36	.27	.33	.25	.21					
8	.50	.39	.32	.27	.37	.26	.33	.25	.30	.23	.19					
9	.46	.36	.29	.24	.34	.24	.31	.22	.28	.20	.17					
10	.43	.33	.26	.22	.31	.21	.28	.20	.26	.18	.15					

Determined In Accordance With Current IES Published Procedures
Luminaire Input Watts = 72.0

Amber Glass Reflector Catalog No. 41270U / 42AB, 70W CFL, 5200 Lumens.



Report No. 2643FR
SC = 1.0

CANDLEPOWER SUMMARY

ANGLE	MEAN CP	LMS
0	1444	
5	1450	136
10	1351	
15	1233	351
20	1139	
25	1057	486
30	944	
35	794	499
40	643	
45	512	398
50	392	
55	286	265
60	219	
65	163	165
70	119	
75	83	90
80	53	
85	27	31
90	7	

ANGLE	MEAN CP	LMS
90	7	
95	6	7
100	7	
105	8	8
110	8	
115	8	8
120	8	
125	8	7
130	8	
135	8	6
140	8	
145	7	4
150	6	
155	5	2
160	4	
165	3	1
170	2	
175	0	0
180	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	972	18.71	39.46
0-40	1471	28.30	59.70
0-60	2135	41.07	86.62
0-90	2421	46.56	98.21
40-90	949	18.26	38.51
60-90	285	5.49	11.59
90-180	44	.85	1.79
0-180	2465	47.41	100.00

** EFFICIENCY = 47.4% **

COEFFICIENTS OF UTILIZATION

Ceiling	80%				70%				50%				30%			
Wall	70	50	30	10	50	10	50	10	50	10	50	10	50	10	50	10
RCR	Zonal Cavity Method - Effective Floor Reflectance = 20%															
0	.56	.56	.56	.56	.55	.55	.52	.52	.50	.50	.47					
1	.53	.51	.49	.48	.50	.47	.48	.45	.46	.44	.41					
2	.49	.46	.44	.41	.45	.41	.43	.40	.42	.39	.37					
3	.46	.42	.39	.36	.41	.36	.40	.35	.38	.35	.33					
4	.43	.38	.35	.32	.38	.32	.36	.32	.35	.31	.30					
5	.40	.35	.31	.29	.34	.29	.33	.28	.32	.28	.27					
6	.37	.32	.28	.26	.32	.26	.31	.26	.30	.25	.24					
7	.35	.29	.26	.23	.29	.23	.28	.23	.27	.23	.22					
8	.32	.27	.23	.21	.26	.21	.26	.21	.25	.21	.20					
9	.30	.25	.21	.19	.24	.19	.24	.19	.23	.19	.18					
10	.28	.23	.19	.17	.23	.17	.22	.17	.22	.17	.16					

Determined In Accordance With Current IES Published Procedures
Luminaire Input Watts = 72.0

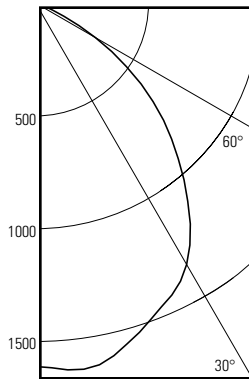
Notes: Amber Glass and Cobalt Blue Glass have the same Photometrics.

Job Information

Type:

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Satin Aluminum Reflector Catalog No. 41285U / 42SR, 85W CFL, 6000 Lumens.



Report No. 2577FR
SC = 1.2

CANDLEPOWER SUMMARY

ANGLE	MEAN CP	LMS
0	1611	
5	1632	155
10	1628	
15	1564	443
20	1492	
25	1428	658
30	1338	
35	1195	746
40	1023	
45	852	660
50	679	
55	491	441
60	305	
65	138	156
70	46	
75	14	20
80	0	
85	0	0
90	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	1255	20.93	38.31
0-40	2002	33.37	61.07
0-60	3102	51.71	94.64
0-90	3278	54.64	100.00
40-90	1276	21.27	38.93
60-90	175	2.93	5.36
90-180	0	.00	.00
0-180	3278	54.64	100.00

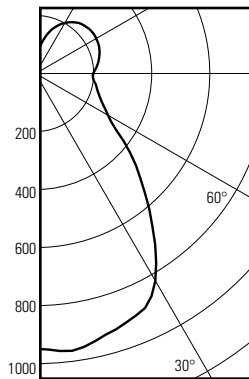
** EFFICIENCY = 54.6% **

COEFFICIENTS OF UTILIZATION

Ceiling	80%				70%				50%				30%			
Wall	70	50	30	10	50	10	50	10	50	10	50	10	50	10	50	10
RCR	Zonal Cavity Method - Effective Floor Reflectance = 20%															
0	.65	.65	.65	.65	.64	.64	.61	.61	.58	.58	.55					
1	.61	.60	.58	.56	.58	.56	.56	.54	.54	.52	.50					
2	.58	.54	.52	.50	.53	.49	.52	.48	.50	.47	.45					
3	.54	.49	.46	.44	.49	.43	.47	.43	.46	.42	.40					
4	.50	.45	.42	.39	.45	.39	.43	.38	.42	.38	.36					
5	.47	.41	.37	.34	.41	.34	.40	.34	.39	.34	.32					
6	.44	.38	.34	.31	.37	.31	.36	.30	.35	.30	.29					
7	.40	.34	.30	.27	.34	.27	.33	.27	.32	.27	.26					
8	.38	.31	.27	.24	.31	.24	.30	.24	.29	.24	.23					
9	.35	.28	.24	.22	.28	.22	.27	.21	.27	.21	.20					
10	.32	.26	.22	.19	.26	.19	.25	.19	.25	.19	.18					

Determined In Accordance With Current IES Published Procedures
Luminaire Input Watts = 96.0

White Glass Reflector Catalog No. 41285U / 42WH, 85W CFL, 6000 Lumens.



Report No. 2642FR
SC = 1.3

CANDLEPOWER SUMMARY

ANGLE	MEAN CP	LMS
0	949	
5	960	91
10	957	
15	932	265
20	913	
25	892	408
30	825	
35	718	451
40	609	
45	510	398
50	425	
55	338	311
60	288	
65	257	257
70	235	
75	220	234
80	210	
85	199	220
90	198	

ANGLE	MEAN CP	LMS
90	198	
95	209	228
100	219	
105	227	240
110	234	
115	239	236
120	241	
125	242	216
130	240	
135	235	182
140	228	
145	216	135
150	201	
155	183	84
160	161	
165	132	37
170	100	
175	66	7
180	56	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	763	12.73	19.09
0-40	1214	20.24	30.35
0-60	1923	32.06	48.08
0-90	2634	43.92	65.87
40-90	1420	23.68	35.52
60-90	711	11.86	17.78
90-180	1365	22.76	34.13
0-180	4000	66.67	100.00

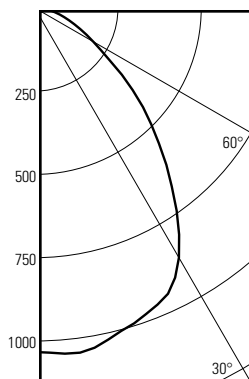
** EFFICIENCY=66.7% **

COEFFICIENTS OF UTILIZATION

Ceiling	80%				70%				50%				30%			
Wall	70	50	30	10	50	10	50	10	50	10	50	10	50	10	50	10
RCR	Zonal Cavity Method - Effective Floor Reflectance = 20%															
0	.74	.74	.74	.74	.70	.70	.61	.61	.54	.54	.44					
1	.67	.63	.61	.58	.60	.55	.53	.49	.46	.43	.35					
2	.61	.56	.51	.48	.52	.45	.46	.41	.41	.37	.30					
3	.56	.49	.44	.40	.46	.38	.41	.35	.37	.31	.26					
4	.52	.44	.39	.35	.42	.33	.37	.30	.33	.28	.23					
5	.48	.39	.34	.30	.37	.29	.34	.26	.30	.24	.20					
6	.44	.36	.30	.26	.34	.25	.30	.23	.27	.21	.18					
7	.40	.32	.27	.23	.31	.22	.27	.20	.25	.19	.15					
8	.38	.29	.24	.20	.28	.20	.25	.18	.23	.17	.14					
9	.35	.27	.21	.18	.25	.17	.23	.16	.21	.15	.12					
10	.33	.24	.19	.16	.23	.16	.21	.14	.19	.13	.11					

Determined In Accordance With Current IES Published Procedures
Luminaire Input Watts = 72.0

Amber Glass Reflector Catalog No. 41285U / 42AB, 85W CFL, 6000 Lumens.



Report No. 2641FR
SC = 1.2

CANDLEPOWER SUMMARY

ANGLE	MEAN CP	LMS
0	1033	
5	1042	99
10	1036	
15	1004	285
20	978	
25	947	433
30	866	
35	743	466
40	615	
45	495	385
50	384	
55	275	255
60	203	
65	151	153
70	110	
75	78	83
80	50	
85	26	30
90	7	

ANGLE	MEAN CP	LMS
90	7	
95	6	7
100	7	
105	7	8
110	7	
115	8	8
120	8	
125	8	7
130	8	
135	8	6
140	7	
145	7	4
150	6	
155	5	2
160	3	
165	3	1
170	1	
175	0	0
180	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	816	13.61	36.59
0-40	1282	21.38	57.48
0-60	1922	32.05	86.16
0-90	2188	36.48	98.07
40-90	905	15.10	40.60
60-90	265	4.43	11.91
90-180	43	.72	1.93
0-180	2231	37.19	100.00

** EFFICIENCY = 37.2% **

COEFFICIENTS OF UTILIZATION

Ceiling	80%				70%				50%				30%			
Wall	70	50	30	10	50	10	50	10	50	10	50	10	50	10	50	10
RCR	Zonal Cavity Method - Effective Floor Reflectance = 20%															
0	.44	.44	.44	.44	.43	.43	.41	.41	.39	.39	.36					
1	.41	.40	.39	.37	.39	.37	.37	.35	.36	.34	.32					
2	.38	.36	.34	.32	.35	.32	.34	.31	.33	.30	.29					
3	.36	.32	.30	.28	.32	.28	.31	.27	.30	.27	.26					
4	.33	.30	.27	.25	.29	.25	.28	.24	.27	.24	.23					
5	.31	.27	.24	.22	.27	.22	.26	.22	.25	.21	.20					
6	.29	.25	.22	.20	.24	.20	.23	.19	.23	.19	.18					
7	.27	.22	.19	.18	.22	.17	.21	.17	.21	.17	.16					
8	.25	.20	.18	.16	.20	.16	.20	.16	.19	.15	.15					
9	.23	.19	.16	.14	.18	.14	.18	.14	.18	.14	.13					
10	.22	.17	.14	.13	.17	.13	.17	.13	.16	.12	.12					

Determined In Accordance With Current IES Published Procedures
Luminaire Input Watts = 91.0

Notes: Amber Glass and Cobalt Blue Glass have the same Photometrics.

Job Information

Type:

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